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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/939,211	09/939,211 08/24/2001		Daniel Lootz	7040-40	3319
21324	7590	01/21/2004	EXAMI	EXAMINER	
		PARKS, LLP	THALER, MICHAEL H		
TWIN OAK 1225 W. MA			ART UNIT	PAPER NUMBER	
AKRON, O	H 44313		3731	1/6	
				DATE MAILED: 01/21/2004	, 14

Please find below and/or attached an Office communication concerning this application or proceeding.

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*		Applica	ition No.	Applicant(s)	<u>Ce</u>
•	09/939	,211	LOOTZ ET AL.		
Office .	Examin	er	Art Unit		
		Michael		3731	
The MAILII Period for Reply	NG DATE of this communica	tion appears on t	the cover sheet w	vith the correspondence addr	ess
THE MAILING DA - Extensions of time ma after SIX (6) MONTHS - If the period for reply is - Failure to reply within the control of the cont	STATUTORY PERIOD FOR TE OF THIS COMMUNICA y be available under the provisions of 3 from the mailing date of this communic pecified above is less than thirty (30) da a specified above, the maximum statuto he set or extended period for reply will, he Office later than three months after justment. See 37 CFR 1.704(b).	ATION. TOFR 1.136(a). In no cation. ays, a reply within the sory period will apply and by statute, cause the a	event, however, may a tatutory minimum of thi will expire SIX (6) MOI pplication to become A	reply be timely filed rty (30) days will be considered timely. NTHS from the mailing date of this come BANDONED (35 U.S.C. § 133).	nunication.
1)⊠ Responsive	to communication(s) filed of	on <u>12 January 20</u>	<u>004</u> .		
2a)⊠ This action	s FINAL. 2b)[This action is	non-final.		
	pplication is in condition for cordance with the practice (ters, prosecution as to the m D. 11, 453 O.G. 213.	nerits is
Disposition of Claim	s				
4a) Of the al 5)	e Continuation Sheet is/are pove claim(s) 25 and 26 is/a is/a is/are allowed. 5,6,8-21,24,44,50,57,64,67,2 is/are objected to. are subject to restriction	are withdrawn fro	om consideration	<u>3-95 and 99-101</u> is/are rejec	eted.
Application Papers					
10)∭ The drawing Applicant ma Replacement		accepted or length accepted or length accepted or length accepted	be held in abeya	•	, ,
Priority under 35 U.S	.C. §§ 119 and 120				
a) All b) Certification 1. Certification 2. Certification 2. Certification 3. Copies applied * See the attact 13) Acknowledgm since a specification 37 CFR 1.78. a) The transition 14) Acknowledgm	ation from the International ned detailed Office action for ent is made of a claim for do reference was included in slation of the foreign languatent is made of a claim for do	cuments have be cuments have be he priority docun Bureau (PCT Rior a list of the certomestic priority the first sentence age provisional attornestic priority)	een received. een received in Annents have been dule 17.2(a)). tiffied copies not under 35 U.S.C. the of the specific application has bunder 35 U.S.C.	application No received in this National State received. § 119(e) (to a provisional apation or in an Application Da	oplication) ata Sheet. specific
Attachment(s)					
	Cited (PTO-892) n's Patent Drawing Review (PTO- e Statement(s) (PTO-1449) Paper			Summary (PTO-413) Paper No(s). nformal Patent Application (PTO-15	

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This application contains claims 25 and 26 drawn to an invention nonelected with traverse in Paper No. 10. A complete reply to the final rejection must include cancelation of nonelected claims or other appropriate action (37 CFR 1.144) See MPEP § 821.01.

Claims 5, 6, 8, 11-14, 18-21, 24, 44, 57, 64, 67, 70, 71, 74-78, 81, 82, 85, 86, 89, 90, 93-95 and 99-101 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In claim 5, there is no antecedent basis for "the first direction". Further, it is unclear what the "first direction" is. Other claims have a similar problem. Also, in claim 5, line 4 and other claims, it is unclear what the "peripheral direction" is. Claim 11 is confusing and is not understood. For example, it is unclear what "individually or in a portion-wise manner" means. As to claim 12, the annular support portions and bar elements have already been defined in claim 1, resulting in a double recitation of the same element. Other claims which have identical language to all of the above mentioned claims are similarly unclear. In claim 24, line 10, there is no antecedent basis for "the first longitudinal direction". Also, the device for producing relative movement of the sheathing device in the

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first direction is defined as being different from the device for producing relative movement of the sheathing device in the second direction. However, it appears from the disclosure that this is not the case.

Claims 1, 5, 6, 8-18, 24, 44, 50, 57, 64, 67, 70, 71, 74-78, 81, 82, 85, 86, 89, 90, 94, 95, 100 and 101 are rejected under 35 U.S.C. 103(a) as being unpatentable over Duerig et al. (6,190,406) in view of Cox (6,461,380). Duerig et al. disclose a plurality of annular support portions 52 comprising bar elements and connecting bars 70. Duerig et al. fail to disclose the connecting bars 70 engaging a central region of the annular support portion. However, Cox teaches that connecting bars 28 between annular support portions 18 of a stent should be connected to the annular support portions 18 in a central region of the bar element 32 between the turning points (apexes) of the bar element so that it avoids the highly stressed apex area (col. 3, lines 45-50 and col. 2, lines 46-49). It would have been obvious to so connect the Duerig et al. connecting bars 7 so that it too would have this advantage. Note that the Cox connecting bars 28 engage a region of the bar elements that projects in the longitudinal direction, as broadly claimed, since the bar elements project in the longitudinal direction throughout their entire length. Note that the Cox connecting

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points between the connecting bars 28 and the bars of the annular support portions 18 are both near a turning point of the annular support portion as defined in claim 5 (and at the end of the turning point itself such that the connecting point engages the turning point as defined in claim 6, noting that the "turning point" is considered to be the entire curved portion near the apex) and at a central region of the bar element as defined in claims 7 and 8. As to claims 10 and 11, note col. 7, lines 39-60 of Dueriq et al. As to claim 16, for example, Duerig et al. fail to disclose the stent material in a stressinduced martensitic state at body temperature. However, it was well known in this art to design make shape memory alloys such that they are in a stress-induced martensitic state at body temperature in order to facilitate entry into the patient's It would have been obvious to make the Duerig et al. the body. stent material in a stress-induced martensitic state at body temperature so that it too would have this advantage. well known in the art statement is taken to be admitted prior the examiner's because applicant failed to traverse assertion (M.P.E.P. 2144.03). As to claim 24, Duerig et al. disclose a device 22 for holding the stent during relative movement between the sheathing device and the stent. As to claim 85, the width of the Duerig et al. bar element varies over

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the length thereof (col. 6, lines 8-39). As to claim 100, the center line of the Duerig et al. bar element is in the shape of an elliptical arc in the region of the turning points when the stent is expanded, as seen in figure 5, for example.

Claims 19-21, 93 and 99 are rejected under 35 U.S.C. 103(a) as being unpatentable over Duerig et al. (6,190,406) in view of Cox (6,461,380) as applied to claims 18, 78 and 82 above, and further in view of Lau et al. (6,015,429). Duerig et al. fail to disclose a direction of curvature changing in the central region of the bar element. However, Lau et al. teach that the central region of a meandering bar element of a stent may be curved (at 114 in figure 1C) instead of straight (at 106 in figure 1A). This shape has the self-evident advantage of providing more support to the blood vessel along the edges of the meandering bar element. It would have been obvious to incorporate this shape into the Duerig et al. bar element so that it too would have this advantage. Note that the direction of curvature changes at 114 in figure 1C.

Claims 1, 5, 6, 8-21, 24, 44, 50, 57, 64, 67, 70, 71, 74-78, 81, 82, 85, 86, 89, 90, 93-95 and 99-101 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-16 of copending Application No. 09/939,057. Although

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the conflicting claims are not identical, they are not patentably distinct from each other because the differences in scope involve only minor, obvious differences.

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Applicant's arguments filed Jan. 12, 2004 have been fully considered but they are not persuasive for the reasons set forth above.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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Any inquiry concerning this communication or earlier

communications from the examiner should be directed to Michael

Thaler whose telephone number is (703) 308-2981. The examiner

can normally be reached Monday to Friday.

If attempts to reach the examiner by telephone are

unsuccessful, the examiner's supervisor, Michael J. Milano can

be reached on (703)308-2496. The fax phone number for the

organization where this application or proceeding is assigned is

(703)872-9306.

Any inquiry of a general nature or relating to the status

of this application or proceeding should be directed to the

receptionist whose telephone number is (703)308-0858.

mht

1/16/04

MICHAEL THALER
PRIMARY EXAMINER

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